

SUPPLEMENTAL AMENDMENT UNDER 37 C.F.R. § 1.116
U.S. Application No. 09/692,043

PATENT APPLICATION
Atty Docket No. Q61360

REMARKS

Claims 1, 3 - 8, 10 - 11, 13 - 14 and 17 - 22 are presently pending in the application.

Applicant thanks the Examiner for the telephone call of August 5, 2004, in which the Examiner explained that, but for the issue of the matrix "T" needing to be discussed in greater detail in the specification, the present application was in condition for allowance. While Applicant asserts that the method for determining the "T" matrix is sufficiently described at page 27 of the specification (lines 3 - 13), Applicant nonetheless herein amends the specification to further discuss the matrix "T" as requested by the Examiner so as to expedite allowance of this application.

Applicant notes that the formula (11-7), as described at pages 220-222 of the Minami reference mentioned at page 17 of Applicant's specification, corresponds to the formula described herein in the Amendments to the Specification section, as shown below.

$$T(i, j) = R(i, j, \lambda)^T R(i, j, \lambda) / n$$

Given the previous, the Applicant asserts that no new matter is being introduced by entry of this amendment. Moreover, because the Examiner's concerns are herein addressed, Applicant respectfully requests that the instant application pass to issue.

Additionally, Applicant takes this opportunity to correct the formula (11-7) filed in the IDS on July 25, 2002, as the concise explanation taken from the partial translation of the Minami reference, "Waveform Data Processing for Scientific Measurement" (pages 220-222). On page 2 of the partial translation, the following formula (11-7) is listed:

$$X = \sum_{i=1}^L x_i x_i^T / L$$

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However, the above formula is not correct and should be actually written as follows:

$$X = \sum_{i=1}^L x_i x_i^t / L$$

where the superscript "t" denotes transpose.

Further, although it is not technically in error, it would be more appropriate to change the formula (11-6) from:

$$x_i = S c_i + n : i = 1, \dots, L$$

to

$$x_i = S c_i + n : i = 1, \dots, L$$

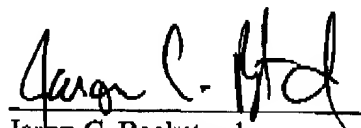
In view of the above, reconsideration and allowance of this application are now believed to be in order, and such actions are hereby solicited. If any points remain in issue which the Examiner feels may be best resolved through a personal or telephone interview, the Examiner is kindly requested to contact the undersigned at the telephone number listed below.

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The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account.

Respectfully submitted,


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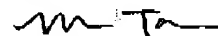
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CUSTOMER NUMBER

Date: August 18, 2004

CERTIFICATE OF FACSIMILE TRANSMISSION

I hereby certify that this SUPPLEMENTAL AMENDMENT UNDER 37 C.F.R. § 1.116 is being facsimile transmitted to the U.S. Patent and Trademark Office this 18th day of August, 2004.



Mariann Tam